

**Abstract**

The invention relates to measuring devices used for the measuring of acceleration, and specifically to capacitive acceleration sensors. The capacitive acceleration sensor according to the present invention comprises a pair of electrodes composed of a movable electrode (4) and a stationary electrode (5), and, related to the pair of electrodes, an isolator protrusion having a special coating. The invention provides an improved, more durable sensor structure, which withstands wear caused by overload situations better than earlier structures.